

Microsemi, a Microchip Company

September 9, 2019

Product/Process Change Notification No: 2019-004

Change Classification: Major

Subject: Addition to the capacity for the assembly of MIL-PRF-19500 JANS and Derivative Product in Microchip Philippines 2 (MPhil2)

Description of Change:

Adding to Microchip's discrete JANS and JANS derivative assembly capacity by certifying and qualifying Microchip's wholly-owned site in Laguna, Philippines – MPhil2.

Reason for Change:

Allow for additional capacity for discrete JANS assembly and derivatives. Please note that majority of MIL Qualified discrete assembly (JAN, JANTX & JANTXV level) is already performed in MPhil2 since 2013.

Application Impact:

All devices to be built in MPhil2 are using the same technology, process and piece parts as the product built in Microchip Lawrence, MA

There will be no change to product form, fit or function. Military and Space grade products will be subject to Assembly and Device qualification by the US Defense Logistics Agency (DLA).

Existing JANS and derivative assembly in Microchip Lawrence will still be available

Note that Wafer Fabrication and Screening sources remain the same.

Method of Identifying Changed Product:

Product nomenclature will remain the same. Product built at the MPhil2 facility will have a pre-defined prefix on the date code (see below), as defined in the QPDSIS-19500 and the Certificate of Conformance (C of C) will also reference the Assembly Site

Die Source	Assembly location	Date code prefix
Microsemi Lawrence, MA	Philippines	L
Microsemi Garden Grove, CA	Philippines	M
Microsemi Bend, OR	Philippines	D
Bourns, UK	Philippines	P

Products Affected by this Change:

See table below listing package types that can be assembled up to JANS level in MPhil 2 once approval is granted by DLA.

Metal cavity packages	Glass body packages
TO-5	DO-35
TO-18	DO-41
TO-33	DO-213AA
TO-39	DO-213AB
TO-46	A-body
TO-72	B-body
TO-78	C-body
U	D-body
UA	A-body US
UB	B-body US
U4	C-body US
	D-body US

Production Shipment Schedule:

Product that is assembled in MPhil2 will ship once DLA qualification is received for that product type/family.

Qualification Data:

DLA has already successfully audited MPhil 2 for JANS Assembly. Product Family qualifications are ongoing and will be listed on DLA's QPDSIS-19500 as they are qualified. Please note that the MPhil2 site is also AS9100 certified.

Samples Availability:

Please contact your local Microchip representative to place sample orders.

Contact Information

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Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Microchip Sales Office, the factory contact shown above, or your local distributor.

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